TABLE A.3.3–2.—*Site 300 Deactivation, Decommissioning, and Demolition Projects*

Facility Number	Facility Name	Square Feet	Waste Generation (LLW, MLLW, transuranic, solid sanitary waste, etc.) (tons)
No Action Alternative			
808	Vacant	1,484	0.742
814	Vacant	2,122	1.061
820	Vacant	2,208	1.104
838	Vacant	601	0.3005
840A	Vacant	388	0.194
840B	Vacant	389	0.1945
854B	Dynamic test facility	331	0.1655
854C	Dynamic test facility	1,623	0.8115
854D	Dynamic test facility	331	0.1655
854E	Dynamic test facility	905	0.4525
854F	Dynamic test facility	826	0.413
854G	Dynamic test facility	1,278	0.639
854J	Dynamic test facility	5,316	NA
865C	Advanced Test	2,400	1.2
Proposed Action Includes all the projects under the No Action Alternative and the following additional			
OSM23	Magazine - storage vault	3,970	NA
OSM24	Magazine - storage vault	560	NA
805	HE assembly/machining	6,802	3.401
806A	HE machining	3,408	1.704
806B	HE machining	4,074	2.037
806C	HE machining	640	0.32
806D	HE machining	192	0.096
807	HE machining	1,575	0.7875
812A	Explosives test	2,283	1.1415
812D	Explosives test	241	0.1205
812E	Explosives test	1,295	0.6475
813	Change house	2,810	NA
817A	HE pressing	459	0.2295
817B	HE pressing	639	0.3195
817C	HE Storage	185	0.0925
817E	Vacant	183	0.0915
817F	HE pressing	565	0.2825
817G	HE pressing	217	0.1085
817H	HE pressing	859	0.4295
821	Chemistry storage	454	NA
823A	LINAC radiography	1,020	0.51
823B	LINAC radiography	1,728	0.864
825	Chem process	1,323	NA
826	Chem process	1,668	NA

TABLE A.3.3–2.—*Site 300 Deactivation, Decommissioning, and Demolition Projects (continued)*

Facility Number	Facility Name	Square Feet	Waste Generation (LLW, MLLW, transuranic, solid sanitary waste, etc.) (tons)
828A	Inactive	212	NA
828B	Inactive	199	NA
828C	Inactive	258	NA
832F	Storage	2,995	1.4975
854A	Response training	2,458	1.229
855A	Disassembly facility	685	0.3425
855B	Disassembly facility	637	0.3185
855C	Disassembly facility	612	0.306
856	Industrial storage	1,484	0.742
858	Drop tower complex	1,460	0.73
858A	Storage	865	0.4325
865	Advanced test	60,318	30.159

Source: DOE 2003b.
HE = high explosive; LINAC = LLNL Electron-Positron Accelerator; LLW = low-level waste; MLLW = mixed low-level waste; NA = Not available. Data will be in separate NEPA documentation for the facility.

A.3.3.1 *Site 300 Revitalization Project*

Site 300's infrastructure was revitalized in the 1990s. The project was essential to provide the needed infrastructure to support LLNL programs such as stockpile stewardship. The Site 300 revitalization project included improvements to the main entrance and the heavily traveled roads going up to the firing areas and construction of the automated central control post. The revitalization project also included upgrades to the flash x-ray radiographic machine, the many beam velocimeter, and other related hydrotest diagnostics.

The final phase of the Site 300 revitalization project involves improvements to the water system by establishing a connection and line extension to the San Francisco Hetch Hetchy aqueduct. Onsite water pipelines have been extended and upgraded and are currently waiting for the distribution of water to begin (LLNL 2000a).

A.3.3.2 *Site 300 Wetlands Enhancement Project*

Continued operations at Site 300 would remove up to 0.62 acre of wetland habitat. LLNL would mitigate the 0.62-acre artificial wetland removal by protecting and enhancing selected areas and increasing breeding opportunities for the California red-legged frog and California tiger salamander. A minimum of 1.86 acres; i.e., a 3:1 replacement ratio, of wetland habitat would be enhanced and managed for these two species. Two mitigation sites for enhancement would include the wetlands at Mid Elk Ravine near the Building 812 complex and the seep at the Super High Altitude Research Project (SHARP) Facility, Building 865. A third site, the Oasis, is designated for set-aside and monitoring.